Senate File 539 - Introduced

SENATE FILE 539
BY COMMITTEE ON STATE
GOVERNMENT

(SUCCESSOR TO SF 29)

A BILL FOR

- 1 An Act relating to the office of the chief information officer,
- 2 including procurement preferences and a report detailing
- 3 state information technology assets.
- 4 BE IT ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF IOWA:

- 1 Section 1. Section 8B.1, Code 2021, is amended by adding the
- 2 following new subsection:
- 3 NEW SUBSECTION. 2A. "Cloud computing" means the same as
- 4 defined in the United States national institute of standards
- 5 and technology's special publication 800-145.
- 6 Sec. 2. Section 8B.24, Code 2021, is amended by adding the
- 7 following new subsection:
- 8 NEW SUBSECTION. 5A. a. The office shall, when feasible,
- 9 procure from providers that comply with federal authorization
- 10 or accreditation programs for information technology,
- 11 third-party cloud computing solutions and other information
- 12 technology and related services that are not hosted on premises
- 13 by the state.
- 14 b. If the office determines it is not feasible to procure
- 15 third-party cloud computing solutions or other information
- 16 technology and related services pursuant to paragraph "a", and
- 17 if on-premises technology upgrades or new applications to be
- 18 housed on-premises are proposed, the office shall include all
- 19 of the following in a report to the members of the general
- 20 assembly:
- 21 (1) An explanation as to why a cloud computing deployment
- 22 was not feasible.
- 23 (2) A cost-benefit analysis of the on-premises technology
- 24 upgrades or new applications compared to the cloud computing
- 25 solution or other information technology-related service.
- 26 (3) Compliance frameworks that require the application to
- 27 be hosted on-premises.
- 28 c. The office may contract with multiple third-party
- 29 commercial cloud computing service providers.
- 30 d. The control and ownership of state data stored with cloud
- 31 computing service providers shall remain with the state. The
- 32 office shall ensure the portability of state data stored with
- 33 cloud computing service providers.
- 34 Sec. 3. Section 8B.24, subsection 6, Code 2021, is amended
- 35 to read as follows:

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- 1 6. The office shall adopt rules pursuant to chapter 17A to
- 2 implement the procurement methods and procedures provided for
- 3 in subsections 2 through 5 5A.
- 4 Sec. 4. INVENTORY OF INFORMATION TECHNOLOGY ASSETS, CURRENT
- 5 CLOUD COMPUTING ADOPTION, AND CLOUD COMPUTING MIGRATION PLAN
- 6 REPORT. By November 1, 2021, the office of the chief
- 7 information officer, in collaboration with other state agencies
- 8 and departments, shall provide a report to the general assembly
- 9 that includes all of the following:
- 10 1. An inventory of all state information technology
- 11 applications, and the percentage of the information technology
- 12 applications that are cloud-based applications.
- 2. Recommendations regarding state information technology
- 14 applications that should migrate to cloud-based applications.
- 15 Each such recommendation shall include a description of
- 16 workloads and information technology applications that are best
- 17 suited to migrate to cloud-based applications given all of the
- 18 following considerations:
- 19 a. Whether the information technology application has
- 20 underlying storage, networks, or infrastructure that supports
- 21 another information technology application, and whether the
- 22 information technology application is supported by another
- 23 information technology application.
- 24 b. How critical the information technology application is
- 25 to the mission of the state agency or department.
- 26 c. The difficulty of migrating the information technology
- 27 application to a cloud-based application.
- 28 d. The total cost of ownership of the target environment in
- 29 which the information technology application shall operate if
- 30 migrated to a cloud-based application.
- 31 EXPLANATION
- 32 The inclusion of this explanation does not constitute agreement with
- 33 the explanation's substance by the members of the general assembly.
- 34 This bill relates to the office of the chief information
- 35 officer, including procurement preferences and a report

- 1 detailing state information technology assets.
- 2 The bill defines "cloud computing" by reference to the
- 3 United States national institute of standards and technology's
- 4 special publication 800-145, which defines the term as a model
- 5 for enabling ubiquitous, convenient, on-demand network access
- 6 to a shared pool of configurable computing resources that can
- 7 be rapidly provisioned and released with minimal management
- 8 effort or service provider interaction.
- 9 The bill requires the office to, when feasible, procure
- 10 third-party cloud computing solutions and other information
- 11 technology and related services that comply with federal
- 12 authorization or accreditation programs, and standards for
- 13 information technology.
- 14 The bill requires the office to submit a report to the
- 15 members of the general assembly when the office determines
- 16 it is not feasible to procure third-party cloud computing
- 17 solutions. Additionally, the bill requires the report to
- 18 include an explanation as to why cloud computing deployment
- 19 was not feasible, a cost-benefit analysis of the on-premises
- 20 technology upgrades compared to the cloud computing solution,
- 21 and compliance frameworks that require the application to be
- 22 hosted on-premises.
- 23 The bill authorizes the office to contract with multiple
- 24 third-party commercial cloud computing service providers.
- 25 The bill establishes that control and ownership of state
- 26 data stored with cloud computing service providers shall remain
- 27 with the state. The bill requires the office to ensure the
- 28 portability of state data stored with cloud computing service
- 29 providers.
- 30 The bill requires the office to provide a report to the
- 31 general assembly by November 1, 2021, that includes an
- 32 inventory of all state information technology applications,
- 33 and recommendations regarding state information technology
- 34 applications that should migrate to cloud-based applications.